

C Sharp programs

Assignment1

In a lucky draw, all the contestants with ticket numbers having a unique property (mentioned below) were chosen as the Lucky Winners.

Let $S(n)$ be the sum of the digits of n . For example, $S(484) = 4+8+4 = 16$ and $S(22) = 2+2 = 4$. Any **nonprime** positive integer x is called a Lucky Number if $S(x*x) = S(x)*S(x)$. For example, 22 is a Lucky *Number* because $S(484) = S(22)*S(22)$.

Given 2 integers, m and n , write a program to find the number of lucky numbers between m and n (both m and n inclusive).

Input Format:

Input consists of 2 integers, m and n , $m \leq n$

Output Format:

Output consists of a single integer that corresponds to the number of lucky numbers between m and n .

Sample Input :

20
30

Sample Output :

4